

**AMENDMENTS TO THE CLAIMS**

Please add new claims 25 through 32, as follows:

1       1. (Original) A method for informing a user of a private mobile communication service  
2       possible area when a mobile communication terminal enters a private mobile communication  
3       network being interoperable with a public mobile communication network, comprising the steps of:

4               upon receiving a system parameter message being broadcast by the private mobile  
5       communication system, checking a predetermined bit for indicating the private mobile  
6       communication service area contained in the system parameter message;

7               when the mobile communication terminal exists in the private mobile communication service  
8       area, transmitting a location registration message including a predetermined registration type to the  
9       private mobile communication system;

10              receiving a message indicating a private mobile communication service possible state from  
11       the private mobile communication system according to registration result information of the private  
12       mobile communication system; and

13              informing the user of the private mobile communication service possible state.

1       2. (Original) The method as set forth in claim 1, wherein the message indicating the private  
2       mobile communication service possible state is a feature notification message including a  
3       predetermined field used for indicating the private mobile communication service possible state.

1           3. (Original) The method as set forth in claim 1, wherein the step of informing the user of the  
2       private mobile communication service possible state is established by any one of an icon display, a  
3       voice message, a character display, vibration and a ring tone.

1           4. (Original) A method for informing a user of a private mobile communication service  
2       possible area when a mobile communication terminal enters a private mobile communication  
3       network being interoperable with a public mobile communication network, comprising the steps of:

4           upon receiving a system parameter message being broadcast by the private mobile  
5       communication system, checking a predetermined bit for indicating the private mobile  
6       communication service area contained in the system parameter message;

7           when the mobile communication terminal exists in the private mobile communication service  
8       area, transmitting a location registration message including a predetermined registration type to the  
9       private mobile communication system;

10           receiving a message indicating a private mobile communication service possible state from  
11       the private mobile communication system; and

12           informing the user of the private mobile communication service possible state.

1           5. (Original) The method as set forth in claim 4, wherein the message indicating the private  
2       mobile communication service possible state is a feature notification message having a  
3       predetermined field used for indicating the private mobile communication service possible state.

1           6. (Original) The method as set forth in claim 5, wherein the predetermined field is a CHARI  
2       field of an IS-95 Information Records Element.

1           7. (Original) The method as set forth in claim 4, wherein the step of indicating the private  
2       mobile communication service possible state is established by at least one of an icon display, a voice  
3       message, a character display, vibration and a ring tone.

1           8. (Original) A method for informing a mobile communication terminal of a private mobile  
2       communication service possible area in a private mobile communication system being interoperable  
3       with a public mobile communication network, comprising the steps of:

4           broadcasting a system parameter message with a predetermined bit indicating a private  
5       mobile communication service area to at least one mobile communication terminal residing in the  
6       private mobile communication service area;

7           receiving a registration message including a predetermined registration type requesting to  
8       register in the private mobile communication system from the mobile communication terminal;

9           searching for a subscriber database of the private mobile communication system to determine  
10       whether the mobile communication terminal is registered or not, and performing a location  
11       registration of the mobile communication terminal according to registration result information of the  
12       mobile communication terminal; and

13       transmitting a message indicating a private mobile communication service possible state to

14 the mobile communication terminal.

1 9. (Original) The method as set forth in claim 8, wherein the message indicating the private  
2 mobile communication service possible state is a feature notification message having a  
3 predetermined field used for indicating the private mobile communication service possible state.

1 10. (Original) The method as set forth in claim 9, wherein the predetermined field is a  
2 CHARi field of an IS-95 Information Records Element.

1 11. (Original) The method as set forth in claim 8, wherein the step of indicating the private  
2 mobile communication service possible state is established by any one selected from a group  
3 consisting of an icon display, a voice message, a character display, vibration and a ring tone.

1 12. (Original) A method for informing a mobile communication terminal of a private mobile  
2 communication service possible area in a private mobile communication system being interoperable  
3 with a public mobile communication network, comprising the steps of:

4 broadcasting a system parameter message with a predetermined bit indicating a private  
5 mobile communication service area to at least one mobile communication terminal residing in the  
6 private mobile communication service area;

7 receiving a registration message including a predetermined registration type requesting to  
8 register in the private mobile communication system from the mobile communication terminal;

9 performing a location registration of the mobile communication terminal after receiving the  
10 registration message; and

11 transmitting a message indicating a private mobile communication service possible state to  
12 the mobile communication terminal.

1           13. (Original) The method as set forth in claim 12, wherein the message indicating the private  
2           mobile communication service possible state is a feature notification message having a  
3           predetermined field used for indicating the private mobile communication service possible state.

1 14. (Original) The method as set forth in claim 13, wherein the predetermined field is a  
2 CHARI field of an IS-95 Information Records Element.

1 15. (Original) The method as set forth in claim 12, wherein the step of indicating the private  
2 mobile communication service possible state is established by any one of an icon display, a voice  
3 message, a character display, vibration and a ring tone.

1 16. (Original) A method for informing at least one mobile communication terminal of a  
2 specific area of a mobile communication network in a mobile communication system when the  
3 mobile communication terminal enters the specific area of the mobile communication network,  
4 comprising the steps of:

5 broadcasting a system parameter message with a predetermined bit indicating the specific

6 area to the mobile communication terminal residing in the mobile communication service area;  
7 receiving a registration message including a predetermined registration type requesting to  
8 register in the mobile communication system from the mobile communication terminal;  
9 searching for a subscriber database of the mobile communication system to determine  
10 whether the mobile communication terminal is registered or not, performing a location registration  
11 of the mobile communication terminal according to registration result information of the mobile  
12 communication terminal; and  
13 transmitting a message indicating a specific area service possible state to the mobile  
14 communication terminal.

1 17. (Original) The method as set forth in claim 16, wherein the message indicating the  
2 specific area service possible state is a feature notification message having a predetermined field  
3 used for indicating the specific area service possible state.

1 18. (Original) The method as set forth in claim 17, wherein the predetermined field is a  
2 CHARI field of an IS-95 Information Records Element.

1 19. (Original) The method as set forth in claim 16, wherein the mobile communication  
2 terminal indicates the specific area service possible state by any one of an icon display, a voice  
3 message, a character display, vibration and a ring tone.

1           20. (Original) A method for informing a user of a specific area of a mobile communication  
2        network when the mobile communication terminal enters the specific area of a mobile  
3        communication system, comprising the steps of:

4           upon receiving a system parameter message being broadcast by the mobile communication  
5        system, checking a predetermined bit for indicating the specific area in the system parameter  
6        message;

7           when the mobile communication terminal exists in the service area of the specific area,  
8        transmitting a registration message including a predetermined registration type to the mobile  
9        communication system;

10          receiving a message indicating a specific area service possible state in the mobile  
11        communication network from the mobile communication system; and

12          informing the user of the specific area service possible state.

1           21. (Original) The method as set forth in claim 20, wherein the step of indicating the specific  
2        area service possible state is established by any one of an icon display, a voice message, a character  
3        display, vibration and a ring tone.

1           22. (Original) A computer-readable medium having computer-executable instructions for  
2        performing a method for informing a user of a private mobile communication service possible area  
3        when a mobile communication terminal enters a private mobile communication network being  
4        interoperable with a public mobile communication network, comprising:

5           upon receiving a system parameter message being broadcast by the private mobile  
6        communication system, checking a predetermined bit for indicating the private mobile  
7        communication service area contained in the system parameter message;

8           when the mobile communication terminal exists in the private mobile communication service  
9        area, transmitting a location registration message including a predetermined registration type to the  
10       private mobile communication system;

11          receiving a message indicating a private mobile communication service possible state from  
12        the private mobile communication system according to registration result information of the private  
13        mobile communication system; and

14          informing the user of the private mobile communication service possible state.

1           23. (Original) The computer-readable medium of claim 22, wherein the message indicating  
2        the private mobile communication service possible state is a feature notification message including  
3        a predetermined field used for indicating the private mobile communication service possible state.

1           24. (Original) The computer-readable medium of claim 23, wherein the step of informing the  
2        user of the private mobile communication service possible state is established by selecting any one  
3        of group consisting of an icon display, a voice message, a character display, vibration and a ring tone.

1           25. (New) A method for performing a manner mode conversion function of a mobile  
2        communication terminal in a private mobile communication network being interoperable with a

3        public mobile communication network, comprising the steps of:  
4            upon receiving a system parameter message being broadcast by the private mobile  
5        communication system, checking a predetermined bit for indicating the private mobile  
6        communication service area contained in the system parameter message;  
7            when the mobile communication terminal exists in the private mobile communication service  
8        area, transmitting a location registration message including a predetermined registration type to the  
9        private mobile communication system; and  
10          receiving a message indicating a private mobile communication service possible state from  
11        the private mobile communication system, and performing the manner mode conversion function  
12        when the received message has a bit indicating the manner mode conversion function.

1            26. (New) The method as set forth in claim 25, wherein the message indicating the private  
2        mobile communication service possible state is a feature notification message having a  
3        predetermined field used for indicating the private mobile communication service possible state.

1            27. (New) A method for providing at least one mobile communication terminal with a  
2        manner mode conversion function in a private mobile communication system being interoperable  
3        with a public mobile communication network, comprising the steps of:  
4            broadcasting a system parameter message with a predetermined bit indicating a private  
5        mobile communication service area to the mobile communication terminal contained in a private  
6        mobile communication service area;

7 receiving a location registration message including a predetermined registration type  
8 requesting to register in the private mobile communication system from the mobile communication  
9 terminal; and

10 performing a location registration of the mobile communication terminal after receiving the  
11 location registration message, and transmitting a message which contains a bit indicating the manner  
12 mode conversion function and indicates a private mobile communication service possible state to  
13 the mobile communication terminal.

1 28. (New) The method as set forth in claim 27, wherein the message indicating the private  
2 mobile communication service possible state is a feature notification message having a  
3 predetermined field used for indicating the private mobile communication service possible state.

1 29. (New) A method for providing at least one mobile communication terminal with a  
2 manner mode conversion function in a mobile communication system when the mobile  
3 communication terminal enters the specific area of the mobile communication network, comprising  
4 the steps of:

5 broadcasting a system parameter message with a predetermined bit indicating the specific  
6 area to the mobile communication terminal contained in a private mobile communication service  
7 area;

8 receiving a registration message having a predetermined registration type requesting to  
9 register in the mobile communication system of the specific area from the mobile communication

10 terminal; and

11 searching for a subscriber database of the mobile communication system to determine  
12 whether the mobile communication terminal is registered or not, performing a location registration  
13 of the mobile communication terminal according to registration result information of the mobile  
14 communication terminal, and transmitting a message which contains a bit indicating the manner  
15 mode conversion function and indicates a specific area service possible state to the mobile  
16 communication terminal.

1 30. (New) The method as set forth in claim 29, wherein the message indicating the specific  
2 area service possible state is a feature notification message having a predetermined field used for  
3 indicating the specific area service possible state.

1 31. (New) A method for performing a manner mode conversion function of a mobile  
2 communication terminal when the mobile communication terminal enters a specific area of a mobile  
3 communication system, comprising the steps of:

4 upon receiving a system parameter message being broadcast by the mobile communication  
5 system, checking a predetermined bit for indicating a service area of the specific area in the system  
6 parameter message, and determining whether the mobile communication terminal exists in the  
7 specific area service area;

8 when the mobile communication terminal exists in the specific area service area, transmitting  
9 a registration message including a predetermined registration type to the mobile communication

10 system of the specific area; and  
11 receiving a message indicating a specific area service possible state in a mobile  
12 communication network from the private mobile communication system, and performing the manner  
13 mode conversion function when the received message has a bit indicating the manner mode  
14 conversion function.

1 32. (New) The method as set forth in claim 31, wherein the message indicating the specific  
2 area service possible state is a feature notification message having a predetermined field used for  
3 indicating the specific area service possible state.